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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/998,481

DATE: 11/27/2002

TIME: 13:32:16

RECEIVED

Input Set : A:\C33311.app

Output Set: N:\CRF4\11272002\I998481.raw

DEC 18 2002

TECH CENTER 1600/2900

ENTERED

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3 <110> APPLICANT: Barany, Francis
4   Cao, Weiguo
5   Huang, Jianmin
6   Lu, Jing
8 <120> TITLE OF INVENTION: DETECTION OF NUCLEIC ACID DIFFERENCES USING COMBINED
9   ENDONUCLEASE CLEAVAGE AND LIGATION REACTIONS
11 <130> FILE REFERENCE: 19603/3331
13 <140> CURRENT APPLICATION NUMBER: 09/998,481
14 <141> CURRENT FILING DATE: 2001-11-30
16 <150> PRIOR APPLICATION NUMBER: 60/250,435
17 <151> PRIOR FILING DATE: 2000-12-01
19 <160> NUMBER OF SEQ ID NOS: 50
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 66
25 <212> TYPE: DNA
26 <213> ORGANISM: Thermotoga maritima
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (26)
31 <223> OTHER INFORMATION: N at position 26 is inosine
33 <400> SEQUENCE: 1
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35 ggttcc 66
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 60
40 <212> TYPE: DNA
41 <213> ORGANISM: Thermatoga maritima
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (24)
46 <223> OTHER INFORMATION: N at position 24 is inosine
48 <400> SEQUENCE: 2
W--> 49 ggggtcgcag acgccacaac gcantcaaca gtatcaaact aggagatcag aacaacgccc 60
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53 <211> LENGTH: 34
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
60 <400> SEQUENCE: 3
61 ggaggggaatc atatggatta caggcagctt caca 34
64 <210> SEQ ID NO: 4

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65 <211> LENGTH: 43
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
72 <400> SEQUENCE: 4
73 gcgcctggat ccactagttc agaaaaggcc ttttttgagc cgt 43
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 66
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83     substrate
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (26)
88 <223> OTHER INFORMATION: N at position 26 can be a, t, c, or g
90 <400> SEQUENCE: 5
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92 ggttcc 66
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 60
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
102     substrate
104 <220> FEATURE:
105 <221> NAME/KEY: misc_feature
106 <222> LOCATION: (24)
107 <223> OTHER INFORMATION: N at position 24 can be a, t, c, or g
109 <400> SEQUENCE: 6
W--> 110 ggggtcgcag acgccacaac gcantcaaca gtatcaaact aggagatcag aacaacgccc 60
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 35
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
121 <400> SEQUENCE: 7
122 ccccatagtg tattaacctt atgtgtgaca tggttc 35
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 34
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
133 <400> SEQUENCE: 8

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134 ccccaaaatg gtcagagaaa cctttatctg tatc 34
137 <210> SEQ ID NO: 9
138 <211> LENGTH: 27
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
145 <400> SEQUENCE: 9
146 ccccgctgcc acttgcaaag tttcttc 27
149 <210> SEQ ID NO: 10
150 <211> LENGTH: 25
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
157 <400> SEQUENCE: 10
158 ccccaactctg aacggagctg gcaat 25
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 27
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
169 <400> SEQUENCE: 11
170 cccctgttca cttgtgccct gactttc 27
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 25
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
181 <400> SEQUENCE: 12
182 cccccagctg ctcaccatcg ctatc 25
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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194 cccctctga ttcctcactg attgctotta 30
197 <210> SEQ ID NO: 14
198 <211> LENGTH: 26
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
205 <400> SEQUENCE: 14
206 cccggccact gacaaccacc cttaac 26

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Input Set : A:\C33311.app

Output Set: N:\CRF4\11272002\I998481.raw

209 <210> SEQ ID NO: 15  
210 <211> LENGTH: 27  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
217 <400> SEQUENCE: 15  
218 cccgcctcat ctgggcctg tggtatc 27  
221 <210> SEQ ID NO: 16  
222 <211> LENGTH: 30  
223 <212> TYPE: DNA  
224 <213> ORGANISM: Artificial Sequence  
226 <220> FEATURE:  
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
229 <400> SEQUENCE: 16  
230 cccgtggatg ggtagtagta tggaagaaat 30  
233 <210> SEQ ID NO: 17  
234 <211> LENGTH: 29  
235 <212> TYPE: DNA  
236 <213> ORGANISM: Artificial Sequence  
238 <220> FEATURE:  
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
241 <400> SEQUENCE: 17  
242 cccggacagg taggacctga tttccttac 29  
245 <210> SEQ ID NO: 18  
246 <211> LENGTH: 26  
247 <212> TYPE: DNA  
248 <213> ORGANISM: Artificial Sequence  
250 <220> FEATURE:  
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
253 <400> SEQUENCE: 18  
254 ccccgttct tgtcctgctt gcttac 26  
257 <210> SEQ ID NO: 19  
258 <211> LENGTH: 27  
259 <212> TYPE: DNA  
260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
265 <400> SEQUENCE: 19  
266 cccgcatggt ggtgcacacc tatagtc 27  
269 <210> SEQ ID NO: 20  
270 <211> LENGTH: 28  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial Sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
277 <400> SEQUENCE: 20  
278 cccaagctgt tccgtcccag tagattac 28  
281 <210> SEQ ID NO: 21

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Input Set : A:\C33311.app

Output Set: N:\CRF4\11272002\I998481.raw

282 <211> LENGTH: 33  
283 <212> TYPE: DNA  
284 <213> ORGANISM: Artificial Sequence  
286 <220> FEATURE:  
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
289 <400> SEQUENCE: 21  
290 cccctcattg gaacagaaag aaatggattt atc 33  
293 <210> SEQ ID NO: 22  
294 <211> LENGTH: 35  
295 <212> TYPE: DNA  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
301 <400> SEQUENCE: 22  
302 cccctcttcc ctagtatgta aggtcaattc tgttc 35  
305 <210> SEQ ID NO: 23  
306 <211> LENGTH: 31  
307 <212> TYPE: DNA  
308 <213> ORGANISM: Artificial Sequence  
310 <220> FEATURE:  
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
313 <400> SEQUENCE: 23  
314 ccccacttcc attgaaggaa gcttctcttt c 31  
317 <210> SEQ ID NO: 24  
318 <211> LENGTH: 29  
319 <212> TYPE: DNA  
320 <213> ORGANISM: Artificial Sequence  
322 <220> FEATURE:  
323 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
325 <400> SEQUENCE: 24  
326 ccccatctct gcaaagggga gtggaatac 29  
329 <210> SEQ ID NO: 25  
330 <211> LENGTH: 33  
331 <212> TYPE: DNA  
332 <213> ORGANISM: Artificial Sequence  
334 <220> FEATURE:  
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
337 <400> SEQUENCE: 25  
338 ccccaaaaat atgtctggat tggagaaagt ttc 33  
341 <210> SEQ ID NO: 26  
342 <211> LENGTH: 33  
343 <212> TYPE: DNA  
344 <213> ORGANISM: Artificial Sequence  
346 <220> FEATURE:  
347 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
349 <400> SEQUENCE: 26  
350 ccccttggaa aagacttgct tgggtactatc ttc 33  
353 <210> SEQ ID NO: 27  
354 <211> LENGTH: 22

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 26/  
Seq#:2; N Pos. 24/  
Seq#:5; N Pos. 26/  
Seq#:6; N Pos. 24/